III. CLAIM AMENDMENTS

1. (Currently Amended) A method for coupling external antennas ~~(14, 15)~~ to a communication unit ~~(20)~~, ~~in which method~~ comprising the steps of:

- transmitting signals of at least a first frequency range ~~are transmitted~~ between the unit ~~(20)~~ and first external antenna means ~~(14)~~, which antenna means are arranged for at least sending these first signals, and which frequency range is reserved for a first wireless data transfer connection,

- transmitting signals of at least a second frequency range ~~are transmitted~~ between the unit ~~(20)~~ and second external antenna means ~~(15)~~, which antenna means are arranged for at least sending these second signals, and which frequency range is reserved for a second wireless data transfer connection,

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~~characterized in that~~

- combining the signals of at least the first frequency range and the signals of at least the second frequency range ~~are combined~~ for feeding them from the unit ~~(20)~~ via common coupling means ~~(29, 26)~~ to the external antennas ~~(14, 15)~~, and

- filtering the first signals ~~are filtered~~ from the signals received via said common coupling means ~~(29, 26)~~ for feeding them to the first external antenna means ~~(14)~~, and filtering the second signals ~~are filtered~~ from the signals received

via said common coupling means ~~(29, 26)~~ for feeding them to the second external antenna means ~~(15)~~.

2. (Currently Amended) A method for coupling external antennas ~~(14, 15)~~ to a communication unit ~~(20)~~, ~~in which method~~ comprising the steps of:

- transmitting signals of at least a first frequency range ~~are transmitted~~ between the unit ~~(20)~~ and first external antenna means ~~(14)~~, which antenna means are arranged for at least receiving these first signals, and which frequency range is reserved for a first wireless data transfer connection,

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- transmitting signals of at least a second frequency range ~~are transmitted~~ between the unit ~~(20)~~ and second external antenna means ~~(15)~~, which antenna means are arranged for at least receiving these second signals, and which frequency range is reserved for a second wireless data transfer connection,

~~characterized in that~~

- combining the signals of at least the first frequency range and the signals of at least the second frequency range received with the external antennas ~~are combined~~ for feeding them via common coupling means ~~(29, 26)~~ to the unit ~~(20)~~, and

- filtering the first signals ~~are filtered~~ from the received signals for feeding them to the first radio part ~~(11)~~ of the unit ~~(20)~~, which radio part is arranged for processing these

signals, and filtering the second signals ~~are filtered~~ from the received signals for feeding them to the second radio part ~~(12)~~ of the unit, which radio part is arranged for processing these signals.

3. (Currently Amended) An arrangement for coupling external antennas ~~(14, 15)~~ to a communication unit ~~(20)~~ and for transmitting signals between the communication unit ~~(20)~~ and the external antennas ~~(14, 15)~~, ~~which arrangement comprises~~ comprising:

- means by which signals of at least a first frequency range are transmitted between the unit ~~(20)~~ and first external antenna means ~~(14)~~, which frequency range is reserved for a first wireless data transfer connection,

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- means by which signals of at least a second frequency range are transmitted between the unit ~~(20)~~ and second external antenna means ~~(15)~~, which frequency range is reserved for a second wireless data transfer connection,

~~characterized in that the arrangement also comprises~~

- first filter means ~~(25)~~, which are arranged for combining at least the first signals and at least the second signals and for feeding them via common coupling means ~~(29, 26)~~ to the external antennas ~~(14, 15)~~, for filtering the first signals from the received signals for feeding them to the first radio part ~~(11)~~ of the unit ~~(20)~~, which radio part is arranged for processing these first signals, and for filtering the second signals from the received signals for

feeding them to the second radio part ~~(12)~~ of the unit ~~(20)~~, which radio part is arranged for processing these second signals, and

- second filter means ~~(16)~~, which are arranged for combining at least the first signals and at least the second signals received with the external antenna means ~~(14, 15)~~ and for feeding them via said common coupling means ~~(29, 26)~~ to the unit ~~(20)~~, for filtering the first signals from the signals received via said coupling means ~~(29, 26)~~ for feeding them to the first external antenna means ~~(14)~~, and for filtering the second signals from the signals received via said coupling means ~~(29, 26)~~ for feeding them to the second external antenna means ~~(15)~~.

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4. (Currently Amended) The arrangement according to claim 3, ~~characterized in that~~ wherein the first filter means ~~(25)~~ and at least part of the common coupling means ~~(29, 26)~~ are located in the unit ~~(20)~~.

5. (Currently Amended) An antenna arrangement for coupling external antennas ~~(14, 15)~~ to a communication unit ~~(20)~~, which is arranged for establishing a first and a second wireless data transfer connection, ~~and which~~ the arrangement ~~comprises~~ comprising at least:

- means ~~(24)~~ for coupling first external antenna means ~~(14)~~ to the arrangement, which antenna means ~~(14)~~ are arranged for signals of a first frequency range, which is reserved for a first wireless data transfer connection, and

– first connector means ~~(26)~~ for coupling the arrangement to the unit ~~(20)~~, which connector means ~~(26)~~ are arranged for transmitting at least said first signals between the first external antenna means ~~(14)~~ and the unit ~~(20)~~,

~~characterized in that~~

– wherein the first connector means ~~(26)~~ are also arranged for transmitting signals of a second frequency range between second external antenna means ~~(15)~~ and the unit ~~(20)~~, which frequency range is reserved for a second wireless data transfer connection, and which second external antenna means ~~(15)~~ are arranged for said second signals, and

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– wherein ~~that~~ the antenna arrangement also comprises filter means ~~(16)~~, which are arranged for combining at least the first and at least the second signals for feeding to the first connector means ~~(26)~~, and/or which filter means ~~(16)~~ are arranged for filtering at least the first and at least the second signals from each other for feeding to said external antenna means ~~(14, 15)~~.

6. (Currently Amended) The antenna arrangement according to claim 5, ~~characterized in that~~ wherein it also comprises cable means ~~(28)~~ for coupling the first external antenna means ~~(14)~~ to the antenna arrangement, and ~~that~~ wherein the second external antenna means ~~(15)~~ are integrated into said cable means ~~(28)~~.

7. (Currently Amended) The antenna arrangement according to claim 5, ~~characterized in that~~ wherein it is formed as a holder

~~(21)~~ in which the unit ~~(20)~~ is arranged to be placed, and into which the filter means ~~(16)~~ and the second external antenna means ~~(15)~~ are integrated.

8. (Currently Amended) A communication unit, which is arranged for establishing a first and a second wireless data transfer connection, ~~and which unit (20) comprises~~ comprising:

~~– at least first antenna means (13), which are arranged for signals of a first frequency range, which is reserved for a first wireless data transfer connection,~~

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– first radio parts ~~(11)~~ for processing signals of a first frequency range, which is reserved for a first wireless data transfer connection, ~~said first signals,~~

– second radio parts ~~(12)~~ for processing signals of a second frequency range, which is reserved for a second wireless data transfer connection,

– ~~first~~ connector means ~~(29)~~ for coupling first external antenna means ~~(14)~~ to the unit ~~(20)~~, which antenna means ~~(14)~~ are arranged for the first signals, and which connector means ~~(29)~~ are arranged for transmitting at least the first signals between the first external antenna means ~~(14)~~ and the first radio parts ~~(11)~~,

~~characterized in that~~

– wherein the ~~first~~ connector means ~~(29)~~ are also arranged for transmitting said second signals between second external

antenna means ~~(15)~~ and the second radio parts ~~(12)~~, which antenna means ~~(15)~~ are for the second signals, ~~and~~

- ~~that the unit (20) also comprises~~ first filter means ~~(25)~~, which are arranged for combining at least the first and at least the second signals for feeding them to the ~~first coupling~~ connector means ~~(29)~~, and/or which first filter means ~~(25)~~ are arranged for filtering at least the first and at least the second signals from each other for feeding them to said radio parts ~~(11, 12)~~, and

- a changeable antenna module, which is arranged to be coupled to the connector means, and which comprises second filter means, which are arranged for combining at least the first signals and at least the second signals for feeding them to the connector means, and/or which second filter means are arranged for filtering the first and at least the second signals from each other for feeding them to the external antenna means.

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9. (Currently Amended) The communication unit according to claim 8, ~~characterized in that~~ wherein the changeable antenna module ~~it~~ is also provided with the second external antenna means~~, which are arranged for the signals of the second frequency range~~.

10. (Currently Amended) The communication unit according to claim 8, ~~characterized in that~~ wherein the changeable antenna module is formed as a holder in which the communication unit is arranged to be placed ~~the first antenna means (13) are located in~~

~~a changeable antenna module, which is arranged to be coupled to the first connector means (29)~~.

11. (Currently Amended) The communication unit according to claim 8, ~~characterized in that~~ wherein the first and the second filter means ~~(25)~~ include a diplex filter~~, which is coupled to the first radio part (11) and the second radio part (12)~~.

12. (Currently Amended) The communication unit according to claim 8, ~~characterized in that~~ wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means ~~(25)~~ instead of the ~~first~~ fixed antenna means ~~(13)~~ to the ~~first~~ connector means ~~(29)~~, when the changeable antenna module ~~an antenna arrangement, which is arranged to couple the first and the second external antenna means (14, 15) to the unit (20),~~ is coupled to said connector means ~~(29)~~.

13. (New) The communication unit according to claim 9, wherein the changeable antenna module is formed as a holder in which the communication unit is arranged to be placed.

14. (New) The communication unit according to claim 9, wherein the first and the second filter means include a diplex filter.

15. (New) The communication unit according to claim 10, wherein the first and the second filter means include a diplex filter.

16. (New) The communication unit according to claim 9, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

17. (New) The communication unit according to claim 10, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

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18. (New) The communication unit according to claim 11, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.